

BROADCASTING REAL-TIME SHORT RANGE RF REAL-TIME
INFORMATION TO MOTOR VEHICLES MOVING
ALONG A HIGHWAY VIA A SEQUENCE OF SHORT RANGE RF
BROADCASTING STATIONS ALONG THE HIGHWAY BROADCASTING
5 TO ALL VEHICLE TRANSCEIVERS WITHIN SAID RANGE

Abstract

A simple region-specific broadcasting system for
broadcasting information pertinent to motor vehicles in
sequential regions of a roadway or highway directly to
10 such vehicles when the vehicles are passing through such
sequential regions. Existing cellular facilities and
resources may be advantageously used in the
implementation of the system. A system for broadcasting
short range RF real-time information to motor vehicles
15 traveling along a roadway implemented through a sequence
of transceiving short range broadcast stations along said
highway, the stations spaced so that the broadcast ranges
of said stations tangentially overlap each other. Each
of the sequence of motor vehicles moving along this
20 roadway should include a transceiver for the short range
RF signals. There is in each of the motor vehicles with
said transceivers, an implementation for transmitting
data that is specific to the transmitting motor vehicle,
together with means in the broadcast stations for
25 broadcasting the data specific to the transmitting motor
vehicle to all of said motor vehicle transceivers.